

# METHODS FOR ENCODING DIGITAL VIDEO FOR DECODING ON LOW PERFORMANCE DEVICES

## Abstract of the Disclosure

5           A video encoder encodes the video stream frame by frame. An encoding  
process generally includes receiving a video frame, subdividing the video frame into  
uniform pixel blocks, comparing a selected pixel block with the corresponding pixel  
block in a previous decoded video frame to determine which blocks have changed,  
10       copying changed pixel blocks into a contiguous memory block, and adding a preamble  
block, compressing the blocks. This process may be repeated for each frame using a  
different size pixel block to determine and select a pixel block size that results in the  
smallest encoded frame.

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